

1.750 X 4.500"

94748

94748

Page 1.

:49 AM

47.9312

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Start Date: 1/17/13 Start Qty: 30.00

Required Date: 1/17/13 Req'd Qty: 30.00

30

30

Cust Item ID:

Customer:

*Reference:

Approvals:

Process Plan:

Date: 1301-3

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr

Revision Nbr

647.9300

100

0.00

100

Bandsaw

Jeaspa Bandsaw

Memo

CUT AT 4.00" LONG

0.00

113-02-20

30

0

110

0.00

110

Outsource5

Outsource process - Machining

Memo

ISSUE P/O: 19277
POSSIBLE SUPPLIER: ARCHER PRECISION

0.00

Certificate of conformaty required

113-03-7

Pb ->

115

Receive & Inspect for Damage & Mat'l Certs

0.00

115

Packaging

Packaging

Memo

0.00

30x

13-6-4.

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: *[Signature]* Date: *13/06/18*QA Closed: *X4*Date: *13-7-11*

Work Order: <u>94748</u>	DISPOSITION Rework <input type="checkbox"/> Scrap <input checked="" type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS			
Part No. <u>647.9312</u>		Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>
NCR No. <u>13-2832</u>		Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>
	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	
	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>		

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data	<i>13/06/18</i>	<i>#116</i>	<i>1</i>	<i>machine alignment error</i>	<i>DAS 16 9-89</i>	<i>Replaced part</i>	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>
Equip/Tooling				<i>don't have properly</i>		<i>NO replace</i>		<i>DAS 16 9-89</i>	<i>DAS 16 9-89</i>
Operator				<i>QTY ①</i>	<i>QTY 0012</i>	<i>need email confirmation about scrap part.</i>		<i>13/06/18</i>	<i>QTY 042</i>
Material				<i>Re sample issue</i>	<i>13/06/18</i>	<i>\$196.11</i>			<i>13/06/18</i>
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General	Grain	Ovalized	Pressure/Forced
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Hardware	<input type="checkbox"/> Over/Under tolerance	<input type="checkbox"/> Temperature/Cure
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Inspection Incomplete	<input type="checkbox"/> Part Incorrect	<input type="checkbox"/> Weld
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Instructions Incomplete/Unclear	<input type="checkbox"/> Part Lost/Missing	<input type="checkbox"/> Wrong Stock Pulled
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Part Moved	
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Mislabeled	<input type="checkbox"/> Positioned Wrong	
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Misread	<input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Other
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Offset		
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Out of Calibration		
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Sequence		
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Outside Dimensions		
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio			

Work Order ID 94748

94748

Page 2

December-20-12 8:41:49 AM

Item ID: 647.9312

Accept

N9000040100

Setup Start *NS1*

Revision ID:

Item Name: Bracket

Stop *NS2*

Start Date: 1/17/13

Start Qty: 30.00

30

Cust Item ID:

Required Date: 1/17/13

Req'd Qty: 30.00

30

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

117

QC6- Inspect dimensions to drawing

0.00

117

QC

Memo

0.00

Quality Control

B 64

29 — 1

PTO

118

0.00

118

HandFinish

Memo

0.00

Hand Finishing

REMOVE ALL PART MARKINGS

N/A

120

0.00

120

Outsource4

Memo

0.00

Outsource process - Anodize

HARD ANODIZE IAW MIL-A-8625 TYPE 3
COLOUR BLACK

CZ13/06/20 (29)

+
Prime at A.T.G.

P/O: 20257

m/25452.
primer. Batch #

NCR: ☒ Yes / ☐ No**WORK ORDER NON-CONFORMANCE / UPDATE**

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input checked="" type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input checked="" type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input checked="" type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
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Work Order ID 94748

94748

Page 3

December-20-12 8:41:49 AM

Item ID: 647.9312

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Bracket

Start Date: 1/17/13

Start Qty: 30.00

30

Cust Item ID:

Required Date: 1/17/13

Req'd Qty: 30.00

30

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run Start *NR1*

Stop *NR2*

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Receive & Inspect for Damage & Mat'l Certs

0.00

130

Packaging

Memo

0.00

Packaging

IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV

29x

SP
13-7-2

140

QC5- Inspect part completeness to step on W/O

0.00

140

QC

Memo

0.00

Quality Control

0.00

150

Spray Painting per QSI005 4.2

0.00

150

SprayPaint

Memo

0.00

Spray Painting

PRIME AS PER DWG NOTE #2

prime at A.T.C.

m/25452

CD 1306/20

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped.	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Misabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

Work Order ID 94748

94748

Page 4

December-20-12 8:41:49 AM

Item ID: 647.9312

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Bracket

Stop *NS2*

Start Date: 1/17/13 Start Qty: 30.00

30

Cust Item ID:

Required Date: 1/17/13 Req'd Qty: 30.00

30

Customer:

Reference:

Approvals: Process Plan: Date: Tooling: Date:

Run Start *NR1*

QC: Date: SPC (Y/N): Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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160

QC14- Inspect Spray Paint

0.00

160

QC

Quality Control

acc
3/17/12 Memo

DAS
16 13/07/12

cut
X29

170

Identify as per dwg & Stock Location: ST443

0.00

170

Packaging

Memo

0.00

Packaging

29X 11.11.13-07-03

190

QC21- Final Inspection - Work Order Release

0.00

190

QC

Quality Control

Memo

0.00

13/7/9 J

ME

13-7-9

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear	General	Other
<input type="checkbox"/> Bending	<input type="checkbox"/> Bend	<input type="checkbox"/> Grain
<input type="checkbox"/> Centre Not Concentric to O/S	<input type="checkbox"/> BOM/Route	<input type="checkbox"/> Hardware
<input type="checkbox"/> Cracks	<input type="checkbox"/> Broken/Damaged	<input type="checkbox"/> Inspection Incomplete
<input type="checkbox"/> Crushed/Crimped	<input type="checkbox"/> Burrs	<input type="checkbox"/> Instructions Incomplete/Unclear
<input type="checkbox"/> Cuffs	<input type="checkbox"/> Contamination	<input type="checkbox"/> Maintenance
<input type="checkbox"/> Heat Treat	<input type="checkbox"/> Countersink	<input type="checkbox"/> Mislabeled
<input type="checkbox"/> Inspection Strip in Tube	<input type="checkbox"/> Cut Too Short	<input type="checkbox"/> Misread
<input type="checkbox"/> Ripples in Bend	<input type="checkbox"/> Drill Holes	<input type="checkbox"/> Offset
<input type="checkbox"/> Torque Waves in Extrusion	<input type="checkbox"/> Drawing	<input type="checkbox"/> Out of Calibration
<input type="checkbox"/> Turning Sequence	<input type="checkbox"/> Finish	<input type="checkbox"/> Out of Sequence
<input type="checkbox"/> Wave/Twist in Tube	<input type="checkbox"/> Folio	<input type="checkbox"/> Outside Dimensions
		<input type="checkbox"/> Ovalized
		<input type="checkbox"/> Over/Under tolerance
		<input type="checkbox"/> Part Incorrect
		<input type="checkbox"/> Part Lost/Missing
		<input type="checkbox"/> Part Moved
		<input type="checkbox"/> Positioned Wrong
		<input type="checkbox"/> Power Loss/Surge
		<input type="checkbox"/> Pressure/Forced
		<input type="checkbox"/> Temperature/Cure
		<input type="checkbox"/> Weld
		<input type="checkbox"/> Wrong Stock Pulled
		<input type="checkbox"/> Other

Picklist Print

December-20-12 8:41:48 AM

Page 1

Work Order ID: 94748

Parent Item: 647.9312

Parent Item Name: Bracket

Start Date: 1/17/13

Required Date: 1/17/13

Start Qty: 30.00

Required Qty: 30.00

Comments: IPP REV:A NEW ISSUE 12-11-19 JLM VERIFIED BY:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.9312P Bracket		Purchased	No				Each	0.0000		30			
M7075T6B1.750X04.500 7075-T6 BAR 1.750" X 4.500"		Purchased	No				f	12.0400		9.8684211			

10.373 13-02-20

Location	Loc Qty	Loc Code
MAT049	12.04	
124030	12.04	

124633

2.790

124383

7.583

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Skid-tube <input type="checkbox"/></td> <td style="width: 33%;">Crosstube <input type="checkbox"/></td> <td style="width: 33%;">Water Jet <input type="checkbox"/></td> <td style="width: 33%;">Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data <input type="checkbox"/>									
Equip/Tooling <input type="checkbox"/>									
Operator <input type="checkbox"/>									
Material <input type="checkbox"/>									
Setup <input type="checkbox"/>									
Other <input type="checkbox"/>									
Process <input type="checkbox"/>									
Supplier <input type="checkbox"/>									
Training <input type="checkbox"/>									
Unapproved <input type="checkbox"/>									

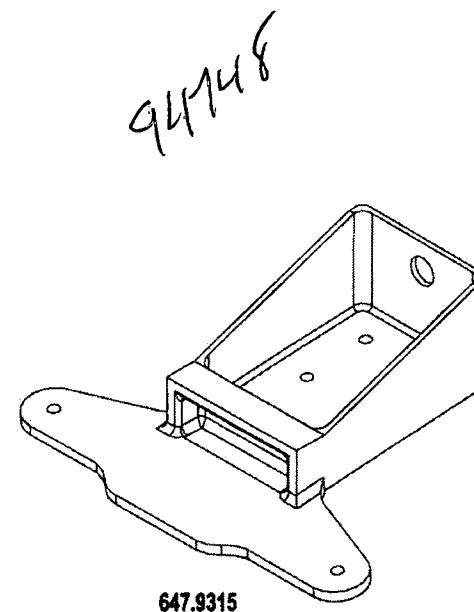
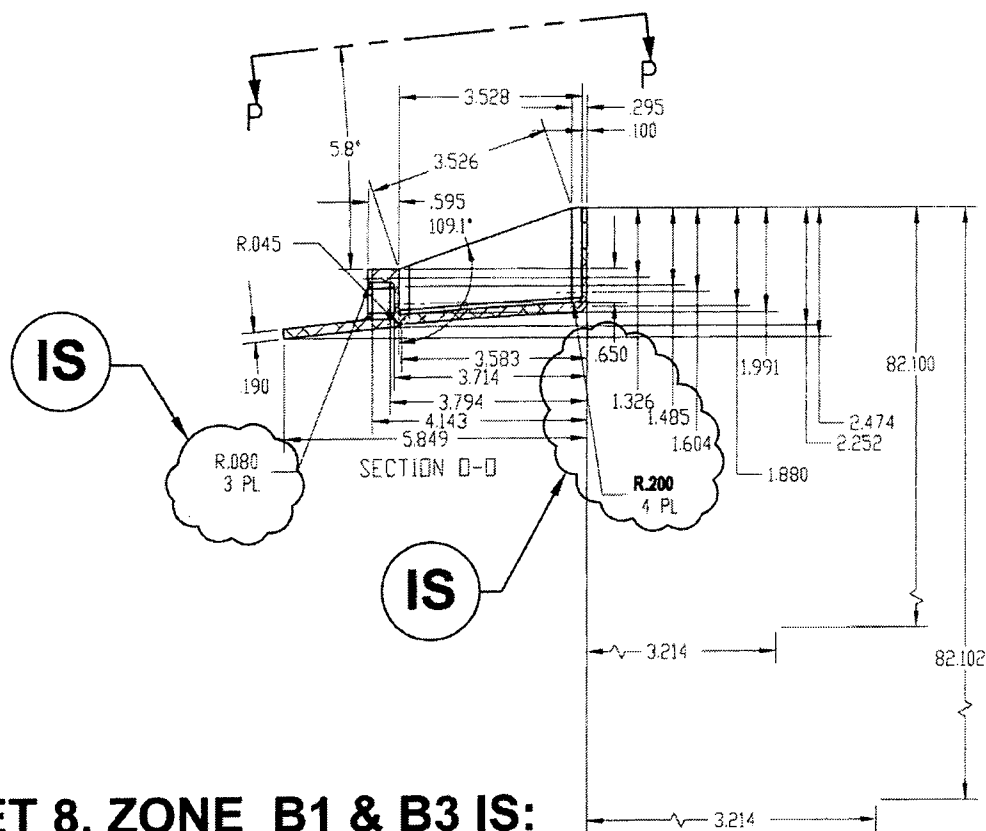
FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
--	---	---	--	---

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03706				SHEET 1 OF 2	
	DWG NO. 647.9300	REV: N/C	PREPARED BY B. PETERS	DATE: 11/16/12	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: BRACKETS					
	APPROVED BY: ENGR <i>[Signature]</i>	MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: NEXT ORDER		
TRANSACTION CODES (TC): A-ADD C-CREATE R-REVISE D-DELETE	REASON: REVISED RADII ON 647.9315.				EGR: D-12-012	

SHEET 1, ZONE B4, NOTE 10 IS:

10. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPRT, LAST MODIFIED 11-16-12.



SHEET 8, ZONE B1 & B3 IS:

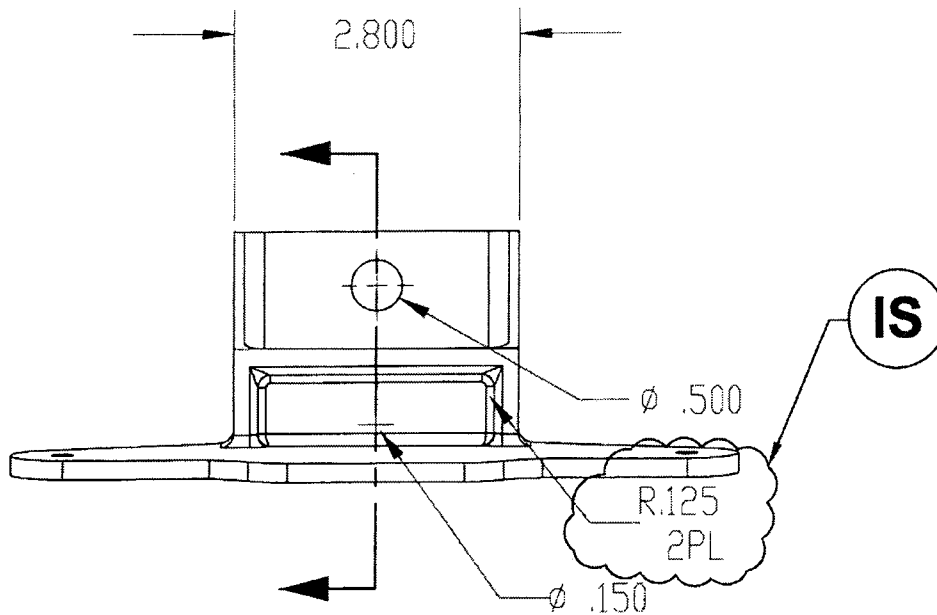
SHEET 8, ZONE A7 IS:

DOCUMENTS EFFECTED:

☐ RFMS ☐ MDL ☐ INSTALL INSTRU ☐ ICA ☐ BOM

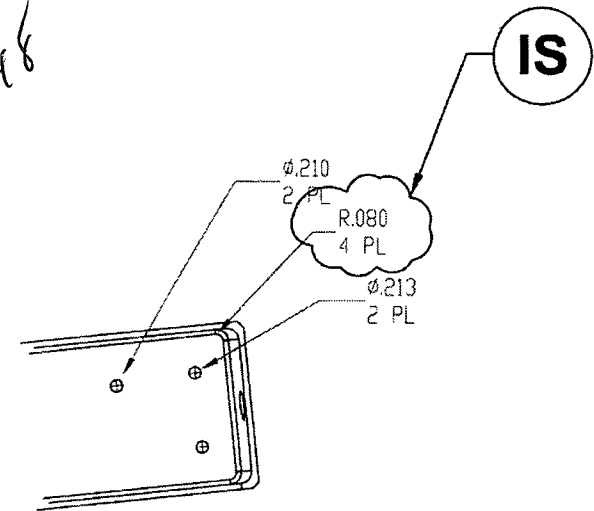
CHANGE CATEGORY
☐ MAJOR ☒ MINOR

DER REVIEW REQUIRED
☐ YES ☒ NO



SHEET 8, ZONE B6 IS:

94748



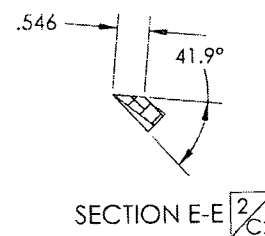
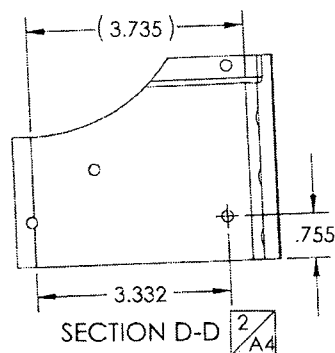
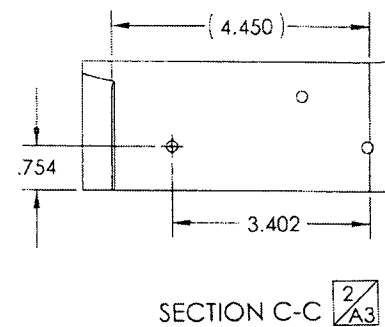
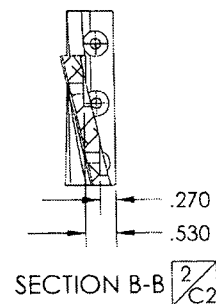
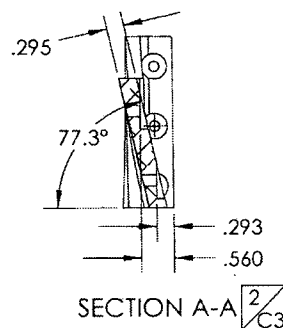
SECTION P-P

SHEET 8, ZONE B8 IS:

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL/SPECIFICATION
-----	----	-------------	-----	-------------	------------------------

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REV	SECTION	DATE	APPROVED

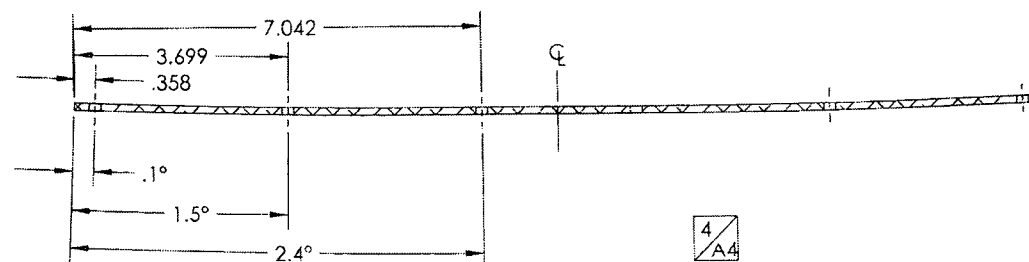


94748

ORIGINAL DATE APR 04 1981		APICAL INDUSTRIES	
DRAWN BY: J. B. BAYD		2608 TEMPLE HEIGHTS DR.	
CHECKED BY: J. B. BAYD		OCEANSIDE, CA. 92056-3512 (760)774-5300	
DRAWING APPROVAL DATE: 04/04/81		BRACKETS	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.001 ANGLES ±.5°		SIZE: 8	SCALE: NONE
		CAGE CODE: 07M16	SHEET 3 OF 9
		QTY: 647.9300	REV: NVC

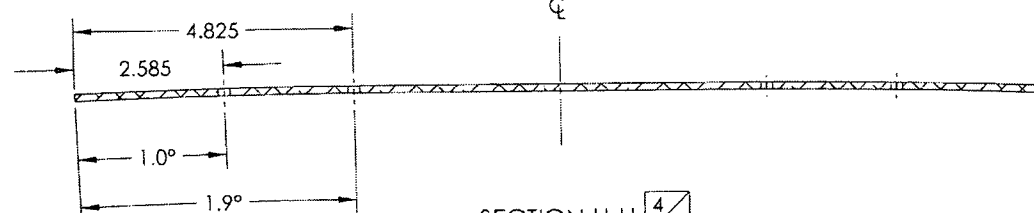
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES AND REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REV	DESCRIPTION	DATE	APPROVED



SECTION G-G

4/A4



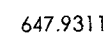
SECTION H-H

4/B4

94748

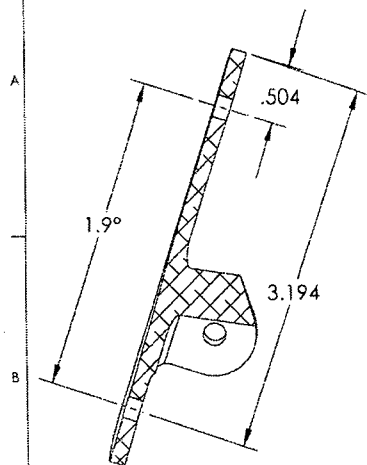
ORIGINAL DATE 1/20/2017		APICAL INDUSTRIES	
DRAWN BY V. ROZAKI		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
CHECKED BY P. BRAVO		BRACKETS	
DRAWING APPROVAL P. BRAVO		SCALE NONE	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ± .01 1 PLACE DECIMALS ± .005 ANGLES ± .5°		REV B	DATE 07/24/26
		DWG NO. 647.9300	REV N/C
		SHEET 5 OF 9	

REVISED		DATE	APPROVED
REV	DESCRIPTION		

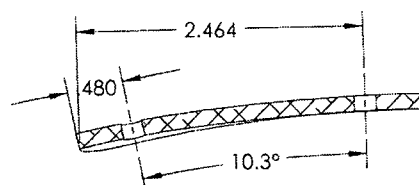


DISPOSITION DATE (MM-DD-YY) 06-01-10 DRAWN BY C. HEECH & PEGGY 10 30 PM '10 BRANN & ASSOCIATES P.O. BOX 20 OCEAN GROVE, NJ 07091 CONTACT NO.	APICAL INDUSTRIES 2508 TEMPLE HEIGHTS DR. OCEANSIDE, CA 92056-3512 (760) 724-5300
BRACKETS	
INVOICES OVERSEAS SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 1. PLASTIC DIMENSIONS ±.01 2. METAL DIMENSIONS ±.005	SRI CAGE CODE DWG NO B 070126 647.9300 SCALE NONE
	REV N/C SHEET 4 OF 9

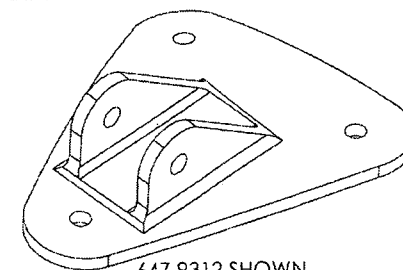
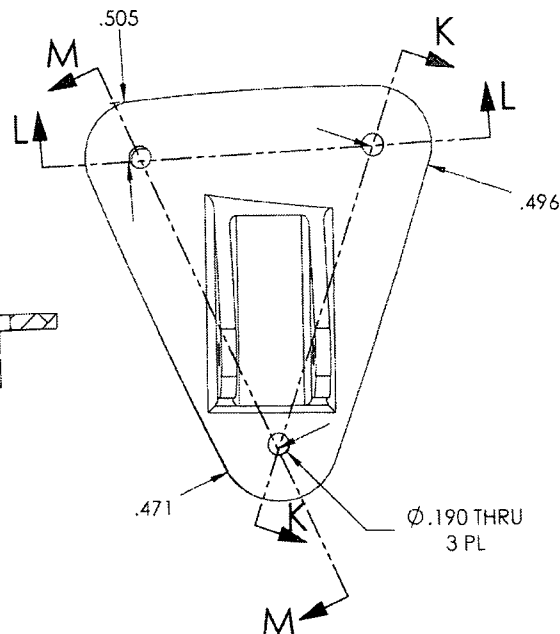
PERSONS			
REV.	DESCRIPTION	DATE	APPROVED



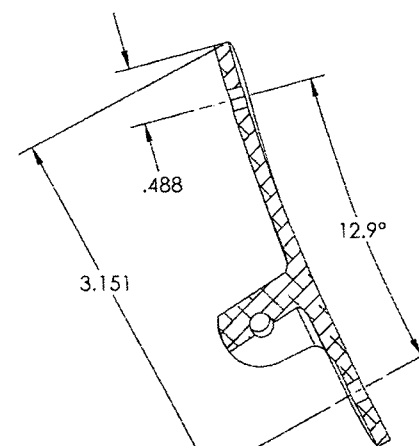
SECTION K-K



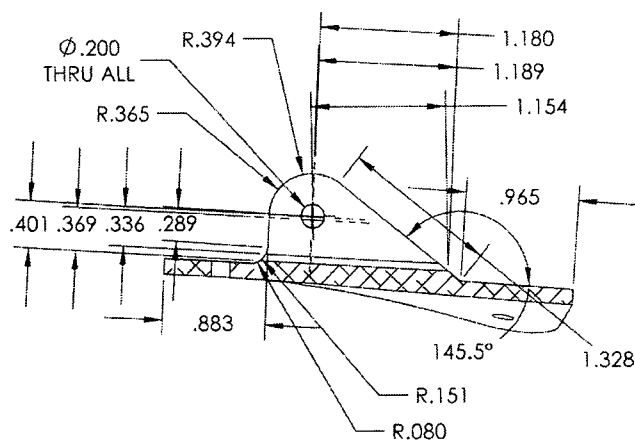
SECTION L-L



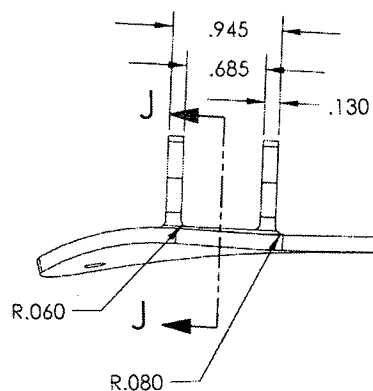
647.9312 SHOWN
647.9313 OPPOSITE



SECTION M-M



SECTION J-J

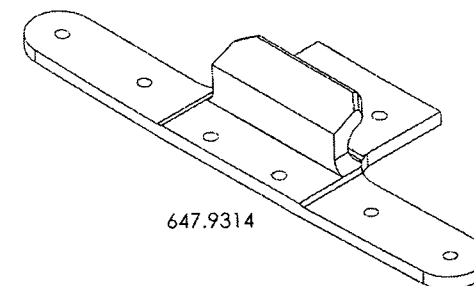
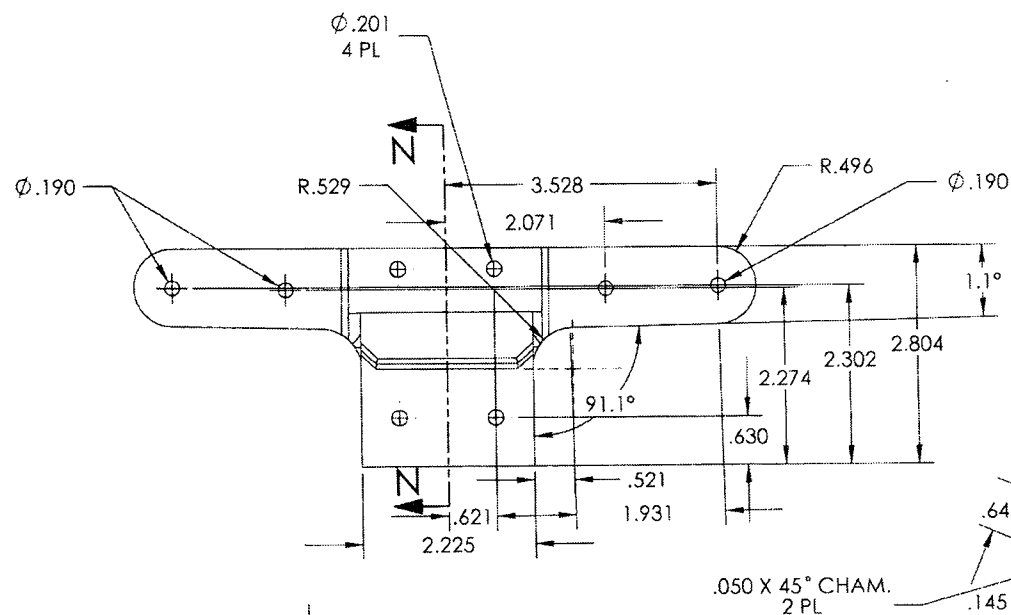


94748

[illegible]

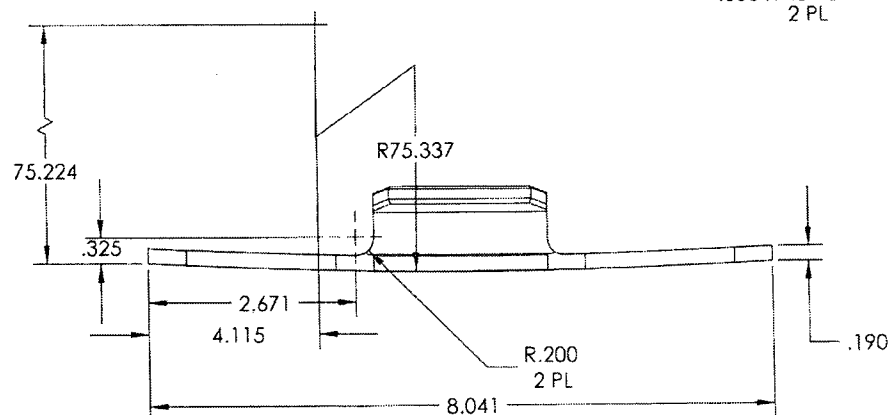
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REV.	DESCRIPTION	DATE	APPROVED



647.9314

SECTION N-N

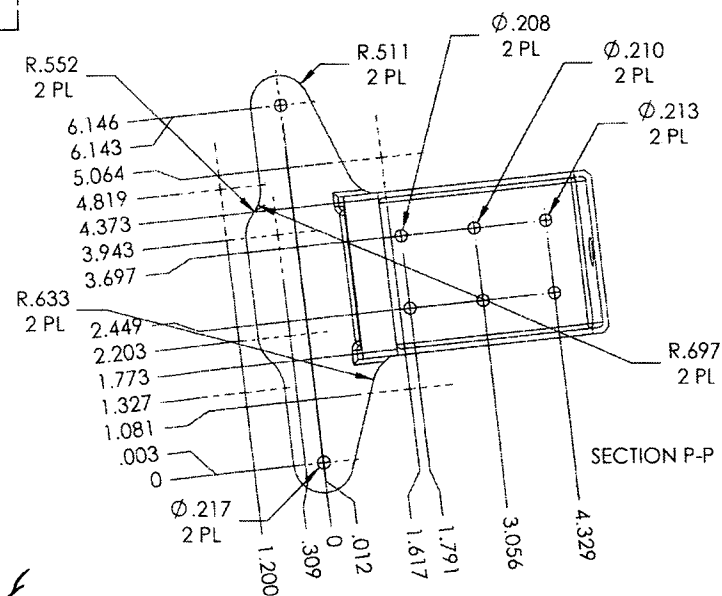
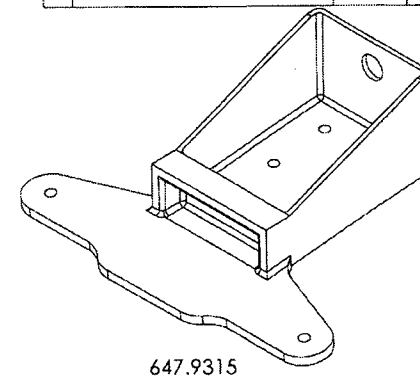
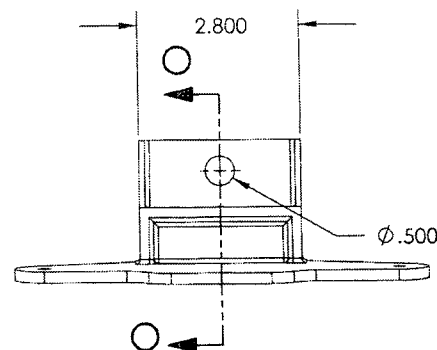
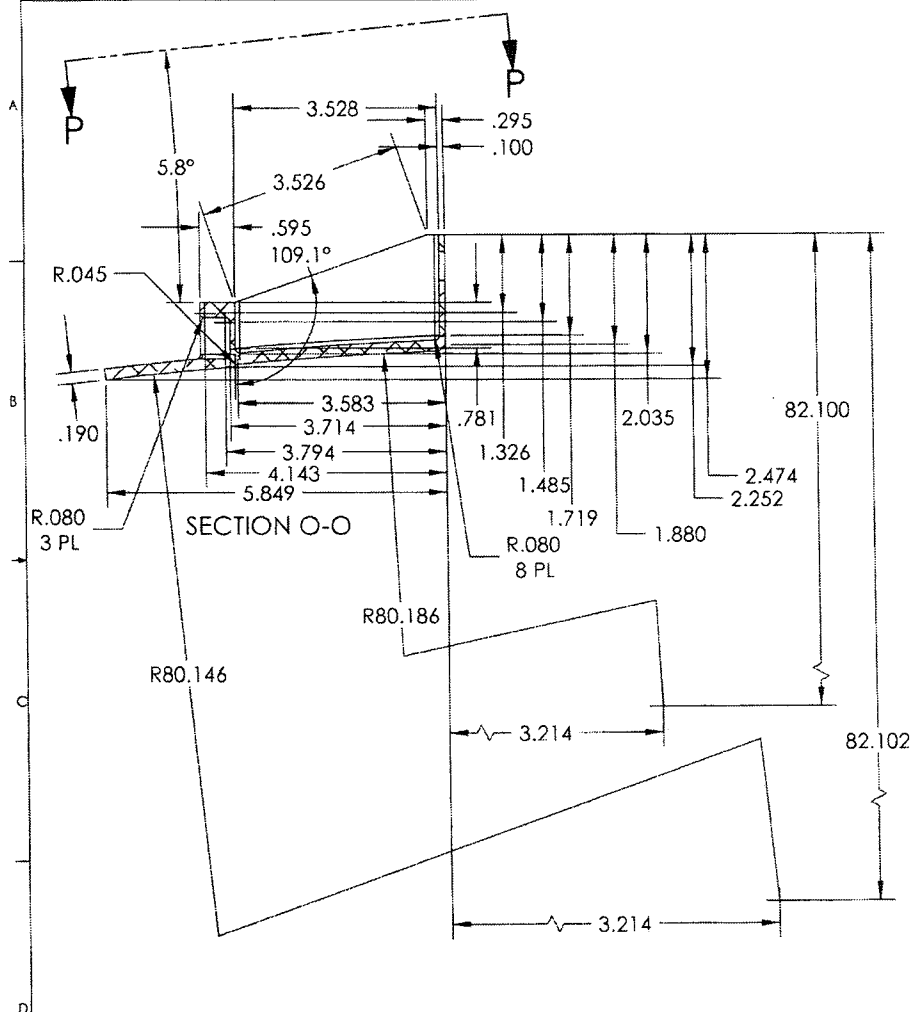


94748

ORIGINAL DATE DRAWN BY CHECKED BY DESIGNED BY DATE CONTRACT NO.	DATE BY DATE DATE DATE	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	REV.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE 16THS DECIMALS ARE 10THS ANGLES ARE IN DEGREES	SCALE: NONE	BRACKETS 647.9300	N/C

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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

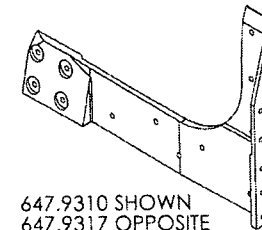


941741

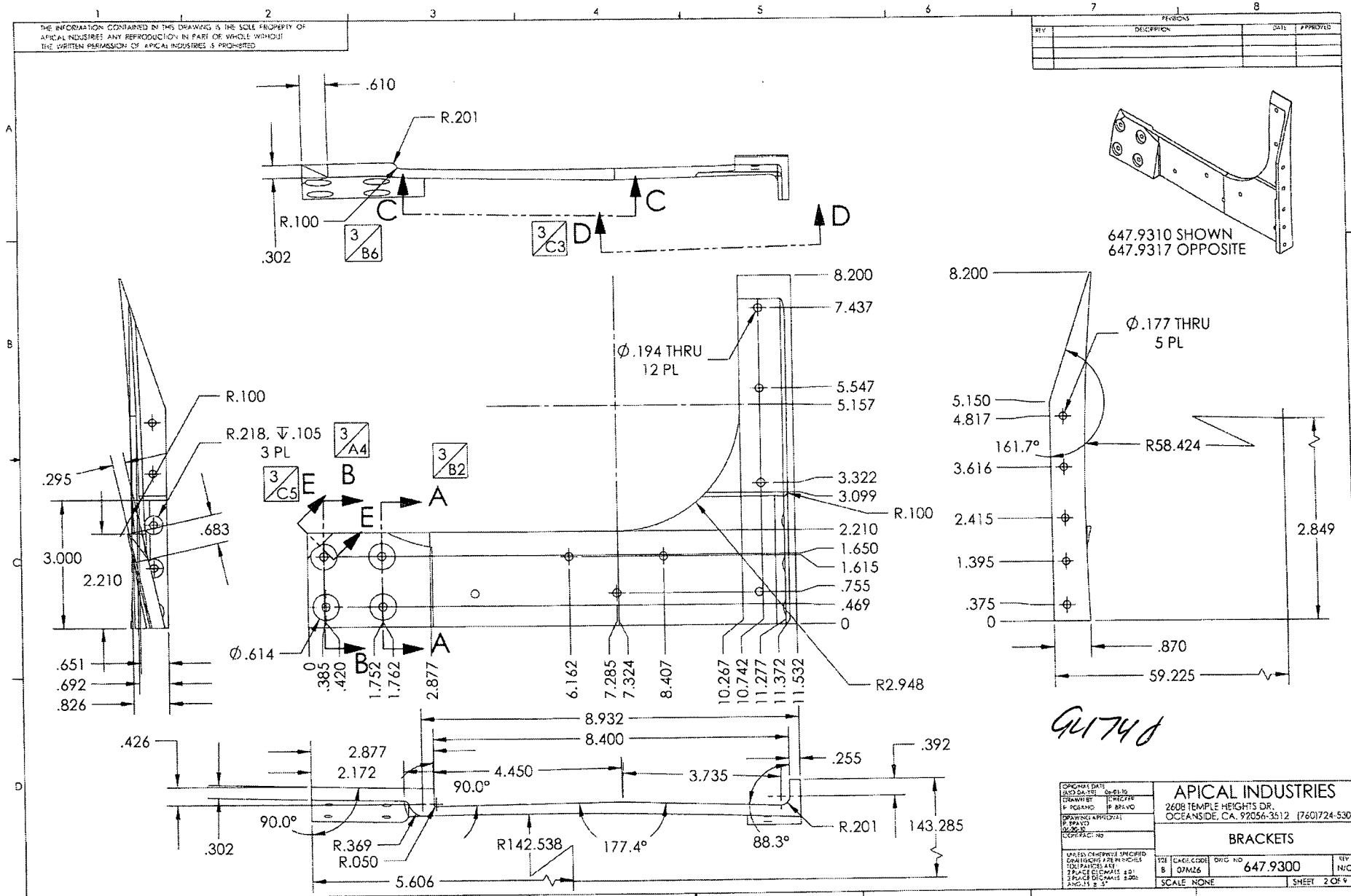
ORIGINAL DATE: 06-01-80 DRAWN BY: J. FREER IN CHARGE: P. BRADY DRAWING APPROVAL: DATE: 06-01-80 CONTRACT NO:		APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS ARE 1/16 DECIMALS ARE .001 ANGLES 2°		SIZE: B CAGE CODE: 07M26 SCALE: NONE	DWG NO: 647.9300 REV: N/C SHEET: 8 OF 9

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REV	DESCRIPTION	DATE	APPROVED



647.9310 SHOWN
647.9317 OPPOSITE



ORIGINAL DATE: 06-01-75 DRAWN BY: L. REEDER IN CHARGE: P. BRUNO DRAWING APPROVAL: P. BRUNO CHECKED: NO	APICAL INDUSTRIES 2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300 BRACKETS
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 3 PLACE DIMENSIONS ±.01 2 AND 11 ±.03	SIZE: B CAGE CODE: 07M26 DWG NO: 647.9300 QTY: N/C SCALE: NONE SHEET: 2 OF 4

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF
APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT
THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12.
2. FINISH: HARD ANODIZE IAW MIL-A-8625 TYPE III, CLASS 2. COLOR: BLACK;
PRETREAT PR-148 ADHESION PROMOTER, PRIME IAW MIL-P-23377J TYPE I, CLASS N.
3. DEBURR AND BREAK ALL SHARP EDGES.
4. IDENTIFY IAW MPP-120. LASER ENGRAVE CENTURY GOTHIC, 12 POINT P/N AND REVISION.
5. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9310 LH BRACKET.SLDPR, LAST MODIFIED 06-22-10.
6. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9311 SUPPORT BRACKET.SLDPR, LAST MODIFIED 06-22-10.
7. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9312 BRACKET.SLDPR, LAST MODIFIED 06-22-10.
8. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9313 BRACKET.SLDPR, LAST MODIFIED 06-22-10.
9. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9314 RETAINER BRACKET.SLDPR, LAST MODIFIED 06-22-10.
10. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPR, LAST MODIFIED 06-22-10.
11. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9316 CROSSBAR BRACKET.SLDPR, LAST MODIFIED 06-22-10.
12. PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9317 RH BRACKET.SLDPR, LAST MODIFIED 06-22-10.

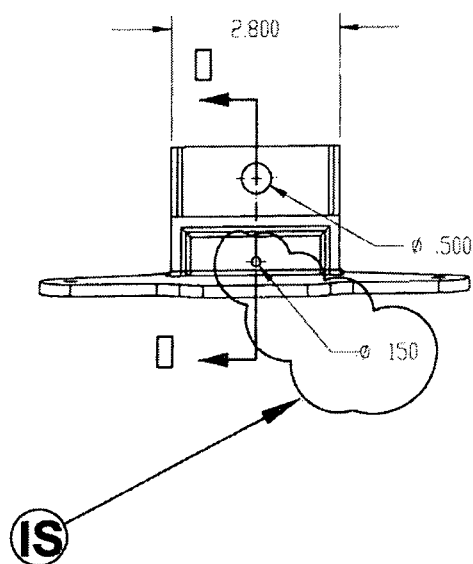
REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
1	LAST PRODUCTION RELEASE PER		
2	INITIAL RELEASE	06-22-10	P. BRAVO

UNINCORPORATED ECN(s)

03209, 03706

94748

	647.9317	RH BRACKET	△	△△
	647.9316	CROSSBAR BRACKET	△	△△
	647.9315	RECEPTACLE BRACKET	△	△△
	647.9314	RETAINER BRACKET	△	△△
	647.9313	BRACKET	△	△△
	647.9312	BRACKET	△	△△
	647.9311	SUPPORT BRACKET	△	△△
	647.9310	LH BRACKET	△	△△
FIND #	PART #	DESCRIPTION	MAT'L	SPEC.
QTY		PARTS LIST		
NEXT ASSY IS		APICAL INDUSTRIES		
647.8900		2608 TEMPLE HEIGHTS DR. OCEANSIDE, CA. 92056-3512 (760)724-5300		
		BRACKETS		
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: FRACTIONS DECIMALS ANGLES 1/16" 0.0005 0.0005 0.0005		
		SHEET 1 OF 9		

SHEET 8, ZONE B5:

94748

F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION

APICAL INDUSTRIES, INC.	ENGINEERING CHANGE NOTICE NO. 03209				SHEET 1 OF 2	
	DWG NO. 647.9300	REV: N/C	PREPARED BY A. QUAN	DATE: 11/09/11	EFFECT ON DWG <input type="checkbox"/> INC. <input checked="" type="checkbox"/> UNINC.	
	DWG TITLE: BRACKET					
APPROVED BY: ENGR <i>[Signature]</i>		MFG <i>[Signature]</i>	QC <i>[Signature]</i>	EFF: CURRENT ORDER AND STOCK		
TRANSACTION CODES (TC) A-ADD C-CREATE R-REVISE D-DELETE		REASON: REVISED HOLE LOCATIONS ON 647.9314, ADDED HOLE 647.9315				

SHEET 1, ZONE B3:

NOTES: UNLESS OTHERWISE SPECIFIED

1 MATERIAL: ALUMINUM 7075-T651 PER AMS-QQ-A-250/12

2 FINISH: HARD ANODIZE (AAW MIL-A-8625 TYPE II, CLASS 2, COLOR: BLACK; PRETREAT PR-148 ADHESION PROMOTER, PRIME (AAW MIL-P-23377) TYPE I, CLASS H.

3 DEBURR AND BREAK ALL SHARP EDGES

4 IDENTIFY JAW MPP-120 LASER ENGRAVE CENTURY GOTHIC, 12 POINT P/N AND REVISION

5 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9310 LH BRACKET.SLDPRT, LAST MODIFIED 06-22-10

6 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9311 SUPPORT BRACKET.SLDPRT, LAST MODIFIED 06-22-10

7 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9312 BRACKET.SLDPRT, LAST MODIFIED 06-22-10

8 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9313 BRACKET.SLDPRT, LAST MODIFIED 06-22-10

9 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9314 RETAINER BRACKET.SLDPRT, LAST MODIFIED 09-26-11

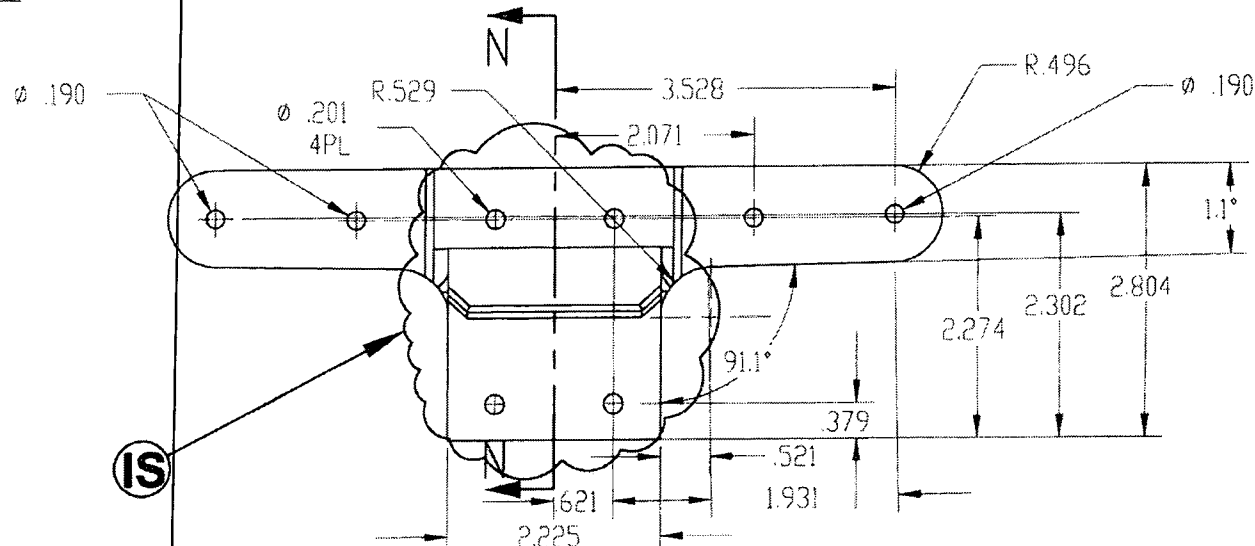
10 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9315 RECEPTACLE BRACKET.SLDPRT, LAST MODIFIED 10-19-11

11 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9316 LONGSHAR BRACKET.SLDPRT, LAST MODIFIED 06-22-10

12 PART DIMENSIONS CONTROLLED BY CAD MODEL FILE: 647.9317 RH BRACKET.SLDPRT, LAST MODIFIED 06-22-10

IS

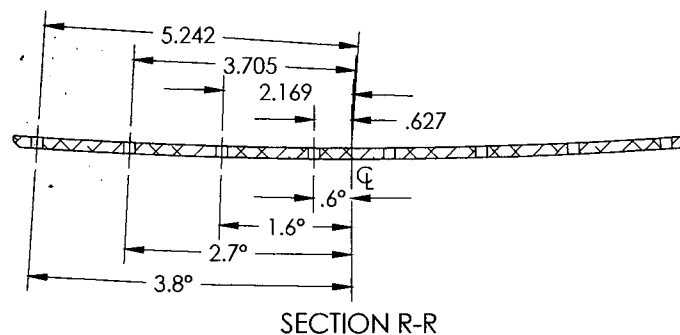
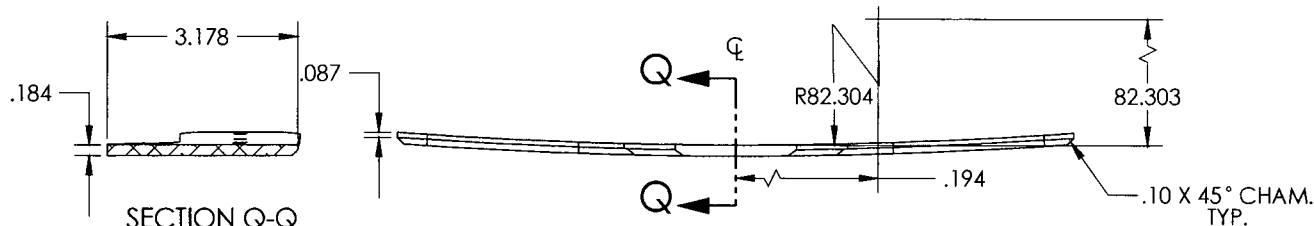
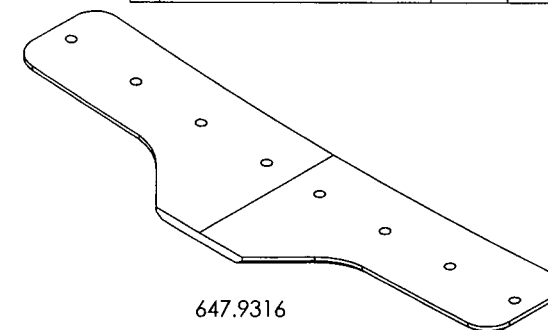
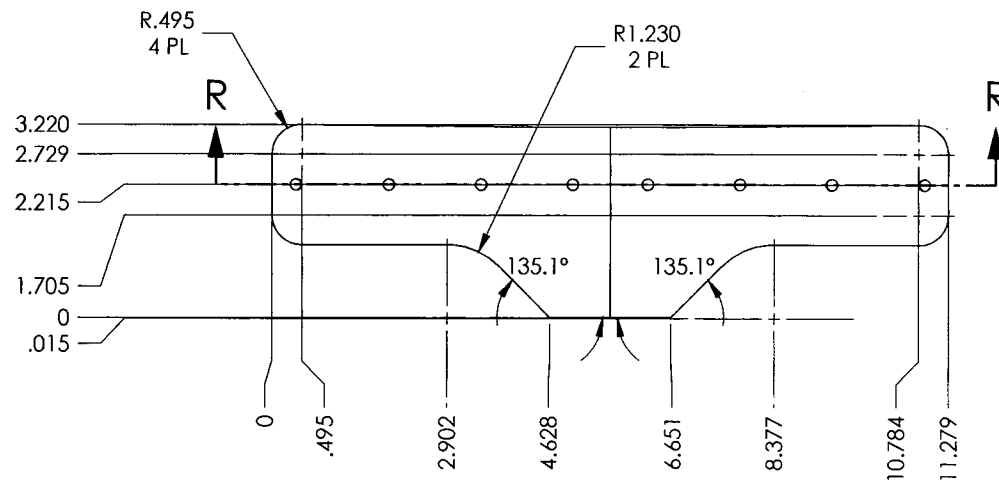
SHEET 7, ZONE B4:



F/N	TC	PART NUMBER	QTY	DESCRIPTION	MATERIAL	SPECIFICATION
DOCUMENTS EFFECTED:				<input type="checkbox"/> MDL <input type="checkbox"/> INSTALL INSTRU <input type="checkbox"/> ICA <input type="checkbox"/> BOM	CHANGE CATEGORY <input type="checkbox"/> MAJOR <input checked="" type="checkbox"/> MINOR	DER REVIEW REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF APICAL INDUSTRIES. ANY REPRODUCTION IN PART OR WHOLE WITHOUT THE WRITTEN PERMISSION OF APICAL INDUSTRIES IS PROHIBITED.

REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED



ORIGINAL DATE (MM-DD-YY)		DESIGNED (NAME)	
DRAWN BY (NAME)		CHECKED (NAME)	
P. ROSAHO		P. BRAVO	
DRAWING APPROVAL (NAME)		CONTRACT NO.	
06-30-10			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE 2 PLACE DECIMALS ± .01 3 PLACE DECIMALS ± .001 ANGLES ± .5°		SITE B CAGE CODE 07M26 DWG. NO. 647.9300 SCALE NONE	REV. N/C SHEET 9 OF 9

APICAL INDUSTRIES
 2608 TEMPLE HEIGHTS DR.
 OCEANSIDE, CA. 92056-3512 (760)724-5300
BRACKETS

90748



2228 Gladwin Cresent
Ottawa, Ontario
K1B 4S6

Phone # 613-899-2405

Packing Slip

Date	Invoice #
5/31/2013	543

Ship To
Main Finished Goods Location Dart Aerospace 1270 Aberdeen Street Hawksbury, Ontario K6A 1K7

P.O. No.	Ship	Via	FOB	Project
19277	5/31/2013	delivered	Archer	

Qty	Item Code	Description
29 1	Sales Sales	647.9312P RH FWD Wiper Deflector 647.9312P RH FWD wiper Deflector - scraped during set-up HST (ON) on sales Sep 13-6-4



2228 Gladwin Cres.
Ottawa, Ont.
K1B 4S6


Telephone (613) 899-2405
Fax (613) 226-1719

Certificate of Compliance

To:
Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury Ont.
K6A 1K7

Po Number	Part Number	Quantities
19277	647.9312	29

It is hereby certified that all articles mentioned above are in conformance with the requirements, specification and drawings as listed on customer purchase order number, 19277 issued by Dart Aerospace Inc.



Andrew Malcolm
Inspector
Archer Precision Inc.
2228 Gladwin Cress.
Ottawa, Ontario
K1B 4S6



Inspection Report

Customer Name Dart Aerospace			QTY 30	DWG # 647.9312		REV. N/C	Part Name BRACKETS			Date ASAP	Lot#	Job # 731-3					
Page 1 of _____		Inspection Interval		Special Notes													
Item #	DWG. Dim	Tolerance	Operator First Off	QA First		QA Final		2	3	4	5	6	7	8	9	10	
				A	R	A	R										
	Rev	N/C	✓	✓		✓											
	MAT	SUPPLIED	✓	✓		✓											
	SUB	-															
	Deburr	YES	✓	✓		✓											
1	.504	±.01	PP	✓		✓											
2	1.9°	±.5°	PP	✓		✓											
3	3.194	±.01	PP	✓		✓											
4	2.464	±.01	PP	✓		✓											
5	.480	±.01	PP	✓		✓											
6	10.3°	±.5°	PP	✓		✓											
7	.505	±.01	PP	✓		✓											
8	.496	±.01	PP	✓		✓											
9	Ø.190	±.01	.190	✓		✓		.190	.190	.190	.190	.190	.190	.190	.190	.190	.190
10	THRU	-	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
11	3X	-	✓	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
12	.471	±.01	PP	✓		✓											
13	.488	±.01	PP	✓		✓											
14	3.151	±.01	PP	✓		✓											
15	12.9°	±.5°	PP	✓		✓											
16	.945	±.01	.941	✓		✓		.941	.941	.941	.942	.941	.941	.941	.941	.940	.941
17	.685	±.01	.685	✓		✓		.685	.686	.686	.686	.686	.685	.685	.685	.686	.685
18	.130	±.01	.127	✓		✓		.128	.127	.127	.127	.127	.127	.127	.127	.127	.127
19	R.080	±.01	PP	✓		✓											
20	R.060	±.01	PP	✓		✓											
21	1.328	±.01	PP	✓		✓											
22	145.5°	±.5°	PP	✓		✓											

[illegible]



Inspection Report

Customer Name Dart Aerospace			QTY 30	DWG # 647.9312		REV. N/C	Part Name BRACKETS			Date As AP	Lot#	Job # 731-3		
Page 1 of		Inspection Interval		Special Notes										
Item #	DWG. Dim	Tolerance	Operator First Off	QA First A R	QA Final A R	2	3	4	5	6	7	8	9	10
	Rev	N/C	/	/	/									
	MAT	SUPPLIED	/	/	/									
	SUB	-												
	Deburr	YES	/	/	/									
1	.504	±.01	PP	/	/									
2	1.9°	±.5°	PP	/	/									
3	3.194	±.01	PP	/	/									
4	2.464	±.01	PP	/	/									
5	.480	±.01	PP	/	/									
6	10.3°	±.5°	PP	/	/									
7	.505	±.01	PP	/	/									
8	.496	±.01	PP	/	/									
9	Ø.190	±.01	.190	/	/	.190	.190	.190	.190	.190	.190	.190	.190	.190
10	THRU	-	/	/	/	/	/	/	/	/	/	/	/	/
11	3X	-	/	/	/	/	/	/	/	/	/	/	/	/
12	.471	±.01	PP	/	/									
13	.488	±.01	PP	/	/									
14	3.151	±.01	PP	/	/									
15	12.9°	±.5°	PP	/	/									
16	.945	±.01	.941	/	/	.941	.941	.941	.941	.941	.941	.941	.941	.941
17	.685	±.01	.684	/	/	.684	.685	.685	.685	.685	.685	.685	.685	.685
18	.130	±.01	.127	/	/	.127	.127	.127	.127	.127	.127	.127	.127	.127
19	R.080	±.01	PP	/	/									
20	R.060	±.01	PP	/	/									
21	1.328	±.01	PP	/	/									
22	145.5°	±.5°	PP	/	/									



Inspection Report

Customer Name			QTY	DWG #	REV.	Part Name		Date	Lot#	Job #						
Dart Aerospace			30 20	647.9312	N/C	BRACKETS		ASAP		731-3 731-3						
Page 1 of		Inspection Interval		Special Notes												
Item #	DWG. Dim	Tolerance	Operator	QA First		QA Final		2	3	4	5	6	7	8	9	10
			First Off	A	R	A	R									
	Rev	N/C	/	/		/										
	MAT	SUPPLIED	/	/		/										
	SUB	-														
	Deburr	YES	/	/		/										
1	.504	±.01	PP	/		/										
2	1.9°	±.5°	PP	/		/										
3	3.194	±.01	PP	/		/										
4	2.464	±.01	PP	/		/										
5	.480	±.01	PP	/		/										
6	10.3°	±.5°	PP	/		/										
7	.505	±.01	PP	/		/										
8	.496	±.01	PP	/		/										
9	Ø.190	±.01	.190	/		/		.190	.190	.190	.190	.190	.190	.190	.190	.190
10	THRU	-	/	/		/		/	/	/	/	/	/	/	/	/
11	3X	-	/	/		/		/	/	/	/	/	/	/	/	/
12	.471	±.01	PP	/		/										
13	.488	±.01	PP	/		/										
14	3.151	±.01	PP	/		/										
15	12.9°	±.5°	PP	/		/										
16	.945	±.01	.940	/		/		.940	.940	.940	.941	.940	.941	.941	.941	.941
17	.685	±.01	.685	/		/		.686	.686	.686	.685	.686	.686	.686	.686	.686
18	.130	±.01	.127	/		/		.128	.127	.1245	.127	.128	.127	.127	.127	.128
19	R.080	±.01	PP	/		/										
20	R.060	±.01	PP	/		/										
21	1.328	±.01	PP	/		/										
22	145.5°	±.5°	PP	/		/										

[illegible]



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO19277

Purchase Order Date 3/7/2013

PO Print Date 5/30/2013

Page Number 1 of 3

Order From :

ARCHER PRECISION INC.
2228 GLADWIN CRESENT
OTTAWA, ON K1B 4S6
CA

VC-GLO001

Contact Name

Vendor Phone

613 899 2405

Vendor Fax

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

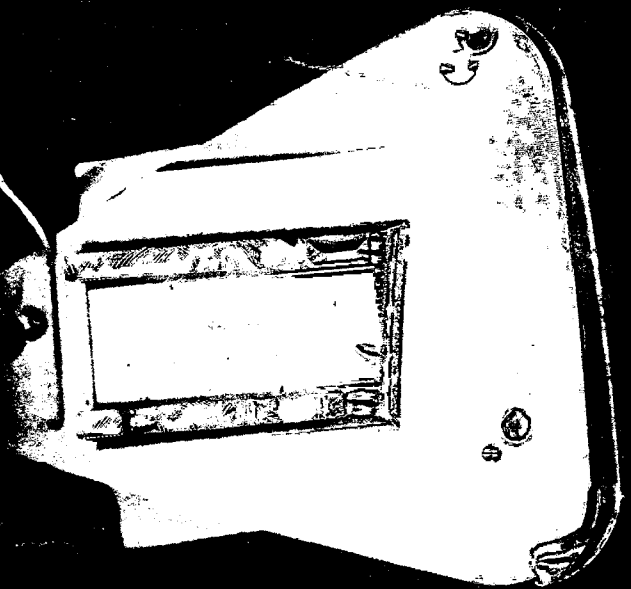
REVISED \$ line 6

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Exten P
1	647.9610P	LH Fwd Wiper Deflector	3/11/2013 Yes	30.00 Each	Day & Ross coll	\$340.0000	\$10.20
Special Inst:			As per DWG: 647.9600 B94562				
2	647.9611P	LH Aft Wiper Deflector	3/11/2013 No	30.00 Each	Day & Ross coll	\$390.0000	\$11.70
Special Inst:			Same as above				
3	647.9612P	RH Fwd Wiper Deflector	3/11/2013 Yes	30.00 Each	Day & Ross coll	\$340.0000	\$10.20
Special Inst:			Same as above				
4	647.9317P	RH Bracket	3/11/2013 Yes	20.00 Each	Day & Ross coll	\$340.0000	\$6.80
Special Inst:			AS PER DWG: 647.9300 B94680				

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required YES NO

Change Nbr: 3

Change Date: 5/30/2013



JOB NO. _____
REJECTED *u/b 947.93/2*
P.O. NO. _____

PART NO. *617.9612P* SERIAL NO. _____
PART NAME *WATER DEFLECTOR*
NUMBER OF PIECES REJECTED *1*
REASON *MACHINE ALIGNMENT ERROR*
DIDN'T HOME PROPERLY
DISPOSITION _____
INSPECTOR _____ DATE _____



A.T.G. Industries Inc.
731, rue Industrielle Rd.
PLATING DEPARTMENT
Rockland, On K4K 1T2
Canada
Ph: (613) 446-4544
Fax: (613) 446-4556

Pack List

Number: 62469

Date: 26-Jun-13

To

DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ship To


DART AEROSPACE LTD
1270 ABERDEEN ST.
HAWKESBURY, ON K6A 1K7
Canada

Ph: 613-632-5200

Fax: 613-632-1185

Ph: 613-632-5200

Fax: 613-632-1185

Terms		Ship Via	
Quantity	Description		
1 lot	Part: ASST 50 PCS D1038-58B BLACK ANODIZE MIL-A-8625 TYPE II CLASS 2 29 PCS 647.9312 HARD ANODIZE BLACK MIL-A-8625 TYPE III CLASS 2 PRIME MIL-P-23377J TYPE I CLASS N Job: 20130394	Rev:	Line: SPB-7-2
Certificate of Conformance			
A.T.G. Industries certifies that all items in this shipment are in conformance with all requirements, specifications and drawings referenced in the purchase order.			
ISO 9001 : 2008 REGISTERED ATG SALES-2010 TERMS APPLY			
DATE: 26/6/13			
CERTIFIED SIGNATURE: 			
RECEIVER SIGNATURE: _____			



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO20257

Purchase Order Date 6/20/2013

PO Print Date 6/26/2013

Page Number 1 of 2

Order From :

VC-ATG001

Ship To : DART AEROSPACE LTD

A.T.G. INDUSTRIES INC.
731 INDUSTRIELLE ROAD
ROCKLAND, ON K4K 1T2
CANADA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED
6/26/2013

Contact Name

Vendor Phone 613-446-4544

Ship To Contact

Ship To Phone

Ship Via: FedEx PI collect

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

REVISED

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	List Price	Disc %	Discounted Unit Price	Extended Price
1	101407 FINISH: COLOR BLACK ANODIZE PER MIL-A-8625F TYPE I OR IB/IC/II/IIB CLASS 2 (RUSH ORDER)	D1038-58B RAIL	6/28/2013 Yes 6/28/2013		50.00				\$209
Line Total:									\$209
2	100811 FINISH: HARD BLACK ANODIZE AS PER IAW MIL-A-8625 TYPE III, CLASS 2 / PRIME AS PER IAW MIL-P-23377J TYPE I CLASS N	646.2910 DEFLECTOR	6/28/2013 Yes 6/28/2013		8.00				\$8
Line Total:									\$8
3	94748 FINISH SAME AS ABOVE (RUSH ORDER)	647.9312 BRACKET	6/28/2013 Yes 6/28/2013		29.00				\$121

8013-7-2

Note:

6/26/2013